



Tennessee Department of Environment and Conservation, Division of Water Pollution Control 401 Church Street, 6th Floor L & C Annex, Nashville, TN 37243

(615) 532-0625

CONCENTRATED ANIMAL FEEDING OPERATION (CAFO) STATE OPERATING PERMIT (SOP) NOTICE OF INTENT (NOI)

Type of permit you are reques	ting: SOPCD0000 (desi	gned to discharg	e) 💢 SOP	C00000 (no discharge) 🔲 Unl	known, please advise
Application type:	☐ New Permit		Perm	nit Reissuance	Pen	mit Modification
	If this NOI is submitted to	for Permit Modific	ation or Reissuar	nce provide the existing p	ermit tracking	number:
OPERATION IDENTIFICAT	ION _ TNA COOZ 17	TNF	58100A			
Operation Name:	s Farm				County: (incoln
Operation Location/	O John Hunt	er Hwn	\		Latitude:	35.03686
Physical Address:	o John Hunt ora, TN 3733	7. 8	5		i	
					Longitude.	86,3347
Name and distance to nearest	receiving water(s): し、十	tle Huc	:Klebe	my Creek	······································	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
If any other State or Federal V	Water/Wastewater Permits have	ve been obtained	for this site, li	st those permit numbe	ers:	
Animal Type:		☐ Dairy	Beef	Other		
		Barns: 7	1	Name of Integrator:	lysor)
Type of Animal Waste Manag	gement: 🔲 🖸 ry	d			ţ	
(check all that apply)			n (i.e. covered	tank, under barn pit, e	tc.)	
Attach the NMP NMP		re plan		1		Map Attached
PERMITTEE IDENTIFICATI	ION	This D. iv	•			
Official Contact (applicant):	•	Title or Posit				
Ronald B	× 25	OW	ner		Y =-	Correspondence
Mailing Address:		City:	ner Iora	State:	Zip:	-
180 Jacks	s Icd.		lora	111	37328	☐ Invoice
Phone number(s): 031- 625-	LANCE	E-mail:	ischi	TH gavise gr	٠ ١ ٠	
Optional Contact:	WO 15	Title or Posit	7207C	Janze gr	nail-con	1
Optional Contact.			ion.			
Address:		City:		State:	Zip:	Correspondence
,		-			-	☐ Invoice
Phone number(s):		E-mail:				mivoice
Approximate Communication	Crowner - (1	1,1 -1		200 4.5 05	
APPLICATION CERTIFICATIO		·-				an an annamiair
I certify under penalty of in accordance with a sy					•	-
submitted. Based on my	-	-	-			
for gathering the inform						
complete. I am aware th						
fine and imprisonment f				·		
Name and title; print or type Signature Out Out Out Out Date						
Konald Boles			Konett &	release		7-18-11
STATE USE ONLY						
Received Date	Reviewer	EFO		T & E Aquatic Fauna	Tra	cking No.
	Impaired Receiving Stream	<u> </u>	High Quality W	ater		D COO(5)
	- Factor and Ostonia				2 H	

Addendum to Nutrient Management Plan:

By my signature below, I affirm that I have read, understand, and will comply with the following stipulations from Tennessee's CAFO rule (1200-4-5-.14) that apply to my CAFO operation.

- 1) All clean water (including rainfall) is diverted, as appropriate, from the production area.
- 2) All animals in confinement are prevented from coming in direct contact with waters of the state.
- 3) All chemicals and other contaminants handled on-site are not disposed of in any manure, litter, process wastewater, or storm water storage or treatment system unless specifically designed to treat such chemicals and other contaminants.
- **4)** All sampling of soil and manure/litter is conducted according to protocols developed by UT Extension.
- 5) All records outlined in 1200-4-5-.14(16)d-f will be maintained and available on-site.
- 6) Any confinement buildings, waste/wastewater handling or treatment systems, lagoons, holding ponds, and any other agricultural waste containment/treatment structures constructed after April 13, 2006 are or will be located in accordance with NRCS Conservation Practice Standard 313.
- 7) Drystacks of manure or stockpiles of litter are always kept covered under roof or tarps.
- 8) An *Annual Report* will be written for my operation and submitted between January 1 and February 15 of each year. It will include all information required by rule [1200-4-5-.14(16)q].

Rowell Bolan	7-18-11
Signature of CAFO Operator:	Date:

* 165

Nutrient Management Plan - Poultry

For Use by Farms

			0% of Litter Ge	nerated		<u></u>
	1. Farmer/ Producer Infor	mation				
	Is ALL Litter Hauled Offsite*			Yes	No	
	*If the answer is "No," do not comp	olete this form.		Please circle	e one	
	First Name:	Ronal	d			
	Last Name:	Boles				
	Farm/ Operation Name:	Boles	Farm	RB Farm		
	Tennessee County:	Linco	ln			
	2. Volumes and Calculatio	ns				**************************************
				5.11		
	Poultry Type:		Broiler	Pullet circle the type(s)	Layer	
Key				encie the type(3)		
A B	Number of birds per house per grow-out: Number of Houses:	8,700 7	vary depending size of birds, and Below is a Table System Calculat	itter removed fron on the litter moist d length of time bi summarized from or V10.0 to assist i ed per bird and ass	ure content, typ rds are kept in h the NRCS Poult in placing the lit	ne and nouse. try ter
en la			Type of Bird	Market/ Mature Weight (lbs)	Avg. Weight of Produced (lbs Grow-O	i)/ Bird /
				small (3.8 - 5 .8)	2.1	
C	Number of Grow-Outs / Year:	6	Broilers	large (5.9 - 7+)	2.4	
	, , , , , , , , , , , , , , , , , , , ,		Layer	8 - 12	8	
D	Average Weight of Litter Produced (lbs.)/ Bird / Grow- Out (see Table at right or use your farm average if known)	8	Pullet	5.5		
	Take Bolded Letters in K o	ey Column Abo	ove and Below to	Assist in Calculatir	ng Values Below	
KEY E	Number of Birds per Grow-Out Number of Birds Example: If A = 22 22,000 X 2 = 44,000 number of bird Number of Birds per Year = A x	,000 and B= 2 s	10900 and C= 5.5 then:	365,400		
	Number of Birds per Year Example: 22,000 x 2 x 5.5 = 242,000 number of	of birds per year	r			
	Total Tons of Litter Produced persons of Litter Produced Example: 15 242,000 x 2.1 lbs = 508,200 lbs. / 2, Tons of Litter Exported from Factorian Produced P	E = 242,000 ar 000 = 254 Tons	nd D = 2.1 lbs. the		[G 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Nutrient Management Plan - Poultry

For Use by Farms Exporting 100% of Litter Generated

3. Litter Handling and Storage

Litter Contents from Manure Analysis (as is basis)

Laboratory Name	House	Date of Analysis	Total N	$P_2O_5^a$	K ₂ O ^b	Units
Boles	1	07-11-2011	2.85	60.0	39.9	lbs./Ton
RB Hen	2	07-11-2011	3.10	55.0	45.3	lbs./Ton
						lbs./Ton

I will get an annual manure analysis and provide the results to all parties which are given or purchase litter from my farm or operation.

Ronald Balan

7-18-11

Signature / Date Signed

Mortality Management

Dead birds will be disposed of according to State and local laws in a way that does not adversely affect groundwater or create public health concern. All mortalities will be disposed of using incineration and Boles Farm will switch to rendinering by the end of 2011.

Composting	Incineration	Other:] <u>[B</u>
	please circle one		initials

Closure Plan

In the event that poultry production at this location ceases, the following will be done within 360 days:

- Any litter/ compost currently in storage at the time of closure will be removed and spread elsewhere according to my current NMP.
- All litter in houses will be removed and spread elsewhere according to my current NMP.
- The most current manure analysis performed by an accredited laboratory will be provided to anyone removing litter on my farm.
- Any dead birds in the houses at the time of closure will be disposed of according to my NMP (incineration or rendering).

Roveld Gelar	 7-18-4	
Signature that I have read and agree to this Closure Plan	 Date signed	

Notes:

N = Nitrogen

 P_2O_5 = Phosphorus Oxide

K₂O = Potassium Oxide

 $^{\circ}$ lf Phosphorus is expressed in analyses as Phosphorus (P), simply multiple P lbs. X 2.3 to convert to P_2O_5 .

^bIf Potassium is expressed in analyses as Potassium (K), simply multiple K lbs. X 1.2 to convert to K_2O .

AGRICULTURAL DIAGNOSTIC LABORATORY UNIVERSITY OF ARKANSAS - FAYETTEVILLE

***MANURE FOR FERTILIZER ANALYSIS (report for AGRI-429)

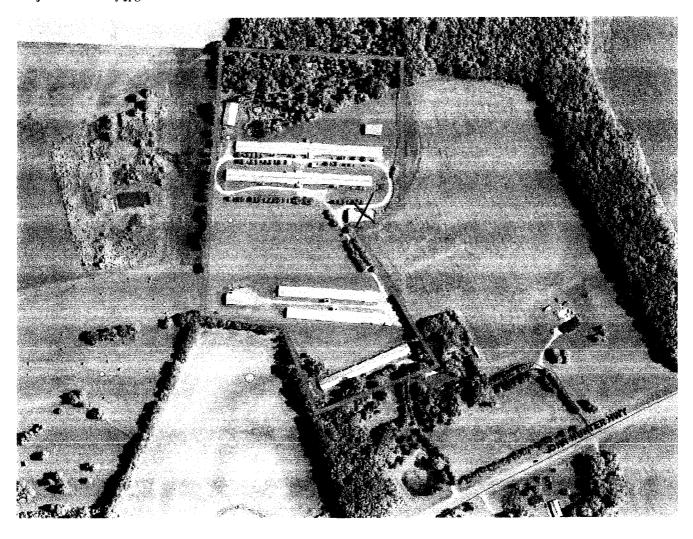
Name:	RONALD BOLES		Received in lab:	7/11/2011	
Address:	180 JACKS RD.		– Mailed:	7/15/2011	
City:	ELORA		– State,Zip:	TN 37328	
County:	LINCOLN (TN)		CK#:	3193	
Lab. No.	M11006	M11007			
Sample No.	BOLES	RB			
Animal type	hens	hens			
-age/lbs	40 wks	40 wks			
Bedding type	shavings/sawdust	shavings/saw	dust		
Manure type	deep stack	deep stack			
Sample date	7/08/2011	7/06/2011			
Age of manure	fresh	fresh			
рН	8.1	8.1			
EC(umhos/cm)	7230	8390			
% H20	26.09	18.47			
	-on d	ry basis-			
Total %N	3.86	3.80			
Total %P	1.77	1.47			
Total %K	2.23	2.29			
Total %Ca	9.90	8.23			
Total %Carbon	34.37	34.06			
NO3-N, mg/kg					
NH4-N, mg/kg					
	-on as	s-is basis-			
Total %N	2.85	3.10			
Total %P	1.31	1.20			
Total %K	1.65	1.87			
Total %Ca	7.32	6.71			
Total %Carbon	25.40	27.77	-		
NO3-N, mg/kg					
NH4-N, mg/kg	<u> </u>				
	-lbs/to	n on as-is basis-			
N	57.0	62.0			
P2O5	60.0	55.0			
K20	39.9	45.3			
Ca	146.4	134,2			
Total Carbon	508.0	555.4			
NO3-N					
NH4-N					
*** 11					

^{***}all analyses performed on "as-is" basis/ "dry" basis is calculated from moisture content

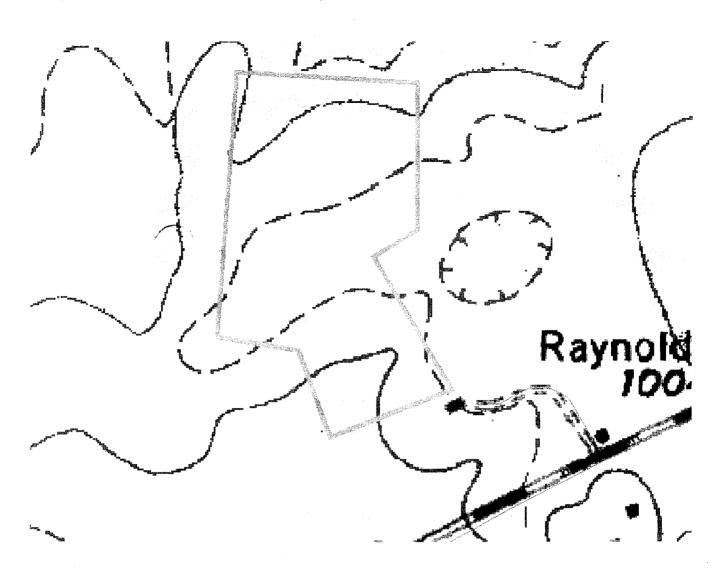
^{*}Ibs/ton P2O5 = %Total P on "as-is" basis multiplied by 20*2.29

^{*}lbs/ton K2O = %Total K on "as-is" basis multiplied by 20*1.2

450 john hunter hwy.jpg



450 john hunter hwy topo.jpg





TENNESSEE DEPARTMENT OF AGRICULTURE Water Resources Program

September 14, 2011

Ms. Erin O'Brien TDEC L&C Annex, 6th Floor Nashville, Tennessee 37243

Dear Ms. O'Brien:

I am writing to inform you that I have reviewed the application and Nutrient Management Plan (NMP) for CAFO permit for Mr. Ronald Boles (Boles Farm/ RB Farm) in Elora, Tennessee (previous NPDES Permit NO. TNA000217 and TNA000182).

This letter is to confirm that the TDA has reviewed and approved the NMP. I have enclosed a copy of the Nutrient Management Plan Requirements form and the original signed and dated Notice of Intent (NOI) form, Addendum to Nutrient Management Plan, Closure Plan, NMP, and stamped Approval Stamp form for your review and final approval.

Sincerely,

Angela L. Warden CAFO Specialist

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: //enclosures

ec:// Mr. Ronald Boles, owner Boles Farm/ RB Farm



TENNESSEE DEPARTMENT OF AGRICULTURE

Water Resources Program

The following individual has submitted all required elements of an NMP/CNMP as required to obtain a CAFO permit. Their Nutrient Management Plan (or CNMP) has been reviewed and approved by this office.

Name of Owner/Operator: Ronald Baks	
Operation Name: Boles Farm RB F	arm
Address of Operation: 450 Saun Hunt	er Huy. Elora, TN 37328
Phone Number: (531) 625-6675	County: Lincoln
Date application was initiated:	Date approval forwarded to TDEC:
JUL 11 2011	SEP 1 4 2011
NMP/CNMP Approval Date: THE APPROVAL SHALL NOT BE CONSTRUED AS CREATING A PRESUMPTION OF CORRECT	Date approval received by TDEC
SEP 14 2011 OPERATION OR AS WARRANTING THAT THE APPROVED FACILITIES WILL REACH THE DESIGNED GOAL	
TDA Reviewer's Name: Angela Warden TDA Reviewer's Signature:	Dand 9/14/11
	Date

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Nutrient Management Plan Requirements

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The following 9 items need to be submitted at the time the permit is applied for. Additional record-keeping items as outlined in the CAFO rules are also considered part of the nutrient management plan and must be kept on-site. More information on each item can be found in the CAFO rule (1200-4-5-.14).

· <u>· · 1.</u>	storage bins, manure lagoons/holding ponds, nearby roads, fields to which litter/manure will be applied, and non-application buffer areas around any bodies of water (streams, creeks, rivers, ponds, wells, sinkholes, springs, wetlands, etc.). A hand-drawn map is acceptable and even preferred. (2.) A topographic map of the farm (1:24000 scale, showing 1-mile radius from farm) showing property lines.
2 .	Nutrient budget – this is basically a balance sheet of all manure produced on the farm and all manure spread on the farm or removed from the farm. Application rates for all fields should be based on crop needs, realistic crop yield expectations, and actual manure analyses of nutrient content.
1 3.	Soil test results for phosphorus and potassium for each application field. These must be taken at a minimum of every five years.
4.	Results of manure analysis from within the past year. Annual manure testing is a requirement for all CAFOs. These results must be included with initial permit application if the farm is in operation. If the farm that is applying for the permit is new and not yet operating, then manure testing results need to be obtained once operation begins. At that point, the manure test results and revised application rates need to be submitted to TDA. Manure test results in subsequent years need to be kept as part of your record-keeping activities.
ត្តអំ 5.	Results of the Phosphorus Index applied to each field that has a soil test P value of "High" or "Very High". In those situations, this tool will determine whether your application rates will be based on nitrogen or phosphorus.
⊡ 6.	Statement regarding method of dead animal disposal .
7 .	Closure Plan to be implemented in the event animal production ceases on the site.
13	st two items are only required for medium-size CAFOs that manage liquid manure .
⊡ * 8.	Documentation of design of liquid waste handling system . This should include, but is not limited to: volume for solids accumulation, design treatment volume, total design volume, the approximate number of days of storage capacity, pumping and routing of wastes, and any solid separation process. Ideally, this documentation would consist of the pertinent engineering drawings with accompanying descriptive narrative.
1 9.	The construction, modification, repair, or installation of any portion of a CAFO liquid waste handling system (such as earthen holding pond, treatment lagoon, pit, sump or other earthen storage/containment structure) after April 13, 2006 must be preceded by a thorough subsurface investigation . This investigation will include a detailed soils investigation with special attention to the water table depth and seepage potential.
In addition	on to the items above, the following form(s) must accompany your application:
□ No	otice of Intent form must be submitted with all applications from Class II (Medium) CAFOs
F EF	OR PA Forms 1 and 2B must be submitted with all applications from Class I (Large) CAFOs.
Ac	ddendum to Nutrient Management Plan.